

IEMJEE 2025 Syllabus PDF

Institute of Engineering & Management Joint Entrance Exam

IEMJEE 2025 Syllabus for Mathematics

Sets, relations & functions	Integral calculus
Complex numbers & quadratic equations	Differential equations
Matrices & determinants	Co-ordinate geometry
Permutations & combinations	Three dimensional geometry
Mathematical induction	Vector algebra
Binomial theorem & it's simple applications	Statistics & probability
Sequences & series	Trigonometry
Limit, continuity & differentiability	Mathematical reasoning

IEMJEE 2025 Syllabus for Physics

Physics & Measurement	Electrostatics
Kinematics	Current Electricity
Laws Of Motion	Magnetic Effects Of Current & Magnetism
Work, Energy & Power	Electromagnetic Induction & Alternating Currents
Rotational Motion	Electromagnetic Waves
Gravitation	Optics
Properties Of Solids & Liquids	Dual Nature Of Matter & Radiation
Thermodynamics	Atoms & Nuclei
Kinetic Theory Of Gases	Electronic Devices
Oscillations & Waves	Communication Systems

IEMJEE 2025 Syllabus for Chemistry - Physical Chemistry

Some Basic Concepts In Chemistry	Solutions
States Of Matter	Equilibrium
Atomic Structure	Redox Reactions & Electrochemistry
Chemical Bonding & Molecular Structure	Chemical Kinetics
Chemical Thermodynamics	Surface Chemistry

IEMJEE 2025 Syllabus for Chemistry - Inorganic Chemistry

Classification Of Elements & Periodicity In Properties	P – Block Elements
General Principles & Processes Of Isolation Of Metals	D – & F – Block Elements
Hydrogen	Co-Ordination Compounds
S – Block Elements (Alkali & Alkaline Earth Metals)	Environmental Chemistry

IEMJEE 2025 Syllabus for Chemistry - Organic Chemistry

Purification And Characterization Of Organic Compounds	Organic Compounds Containing Nitrogen
Some Basic Principles Of Organic Chemistry	Polymers
Hydrocarbons	Bimolecular
Organic Compounds Containing Halogens	Chemistry In Everyday Life
Organic Compounds Containing Oxygen	Principles Related To Practical Chemistry
